

Name: _____

Date: _____

FOIL and Factor solution (version 102)

FOIL the expressions shown below:

1. $(x + 5)(x - 9)$

$$x^2 - 4x - 45$$

2. $(x + 8)(x + 6)$

$$x^2 + 14x + 48$$

3. $(x - 5)(x + 2)$

$$x^2 - 3x - 10$$

4. $(x + 5)(x + 6)$

$$x^2 + 11x + 30$$

5. $(x - 6)(x - 2)$

$$x^2 - 8x + 12$$

Factor the expressions shown below:

6. $x^2 + 3x - 18$

$$(x + 6)(x - 3)$$

7. $x^2 - 9x + 14$

$$(x - 2)(x - 7)$$

8. $x^2 + 12x + 32$

$$(x + 4)(x + 8)$$

9. $x^2 + x - 56$

$$(x + 8)(x - 7)$$

10. $x^2 - 4x + 3$

$$(x - 1)(x - 3)$$